Questions and Answers I
Fort Campbell, KY
Sollicitation SP0600-05-R-0013
June 1, 2005

System Issues

1. The inventory provided in the J01 Attachment included linear feet of overhead line with some of the entries showing the number of conductors and the approximate year of construction. Please confirm whether or not the linear feet quantities represent "circuit feet." For example, in regard to the first entry, in Table 1, under section J01.2.1.2, does the 40,024 linear feet represent a linear distance of 4 conductors which comprise a three-phase circuit, which would be equivalent to 7.6 miles (40,024 ft / 5280 ft/mile = 7.6 miles) of pole line? Further, in regard to the entry for #4/0 ACSR of 152,124 linear feet, is this the total footage of that conductor or is that the footage of a circuit, which may constitute 2 to 4 conductors? Please provide the numbers of conductors and the approximate year of construction for the entries where that data is missing. Also please provide the approximate number of circuit feet of double circuit on the Fort Campbell electric system.

   Answer: The measurements of the conductors are the combined length of all the conductors per that circuit. The #4/0 measurement of 152,124 feet is the combined total for all the circuits using that size conductor, may it be a 2, 3, or 4 wire circuit. As for the missing construction year information, Fort Campbell does not have that data compiled for distribution.

2. The inventory provided in the J01 Attachment includes linear feet of underground conductor with some of the entries showing the number of conductors and the approximate year of construction. Please confirm whether or not the linear feet quantities represent "circuit feet" (as requested above in question 1) and provide the number of conductors and the approximate year of construction for the entries where that data is missing.

   Answer: The measurements are the combined total for all the circuits using that size conductor, may it be a 2, 3, or 4 wire circuit. As for the missing construction year information, Fort Campbell does not have that data compiled for distribution.

3. Please provide the approximate year of construction for the pole mounted and padmounted transformers.

   Answer: As for the missing construction year information, Fort Campbell does not have that data compiled for distribution.

4. Please clarify whether or not the padmounted transformers listed as 107 and 144 kVA are accurate, as these are not standard transformer sizes, or if this is a misprint. If not accurate, please provide the correct sizes of the units and whether they are single-phase or 3-phase units.

   Answer: The above two transformers in question are not found in the Fort Campbell inventory and should be remove form the inventory list.

5. Please confirm that the Government intends to privatize all of the items listed in the J01 attachment as follows:

   "The system includes, but is not limited to substations, switches, switchgear, capacitor banks, steel supports, concrete foundations, prefabricated structures, security fencing, meters and associated bases, service connections, distribution panels, connections, grounds, outlets, switches, conduits and wiring, branch circuits, ground fault circuits, lighting fixtures, photocells, electric breakers and fuses, junction boxes, static electricity/lightning protection and grounding systems, transformers, power poles, manholes and vaults, exterior lighting, **airfield lighting, and traffic lights**. The Contractor will not be responsible for secondary meters, bases, and meter readings for Family Housing.

Answer: It is the intent of the Government for the privatization contractor to assume responsibility for all of the above stated items.

Substation components include power circuit breakers, protective relays, oil and air break switches, knife switches, batteries and battery chargers, towers, transformers, capacitor banks, lighting systems, and the control systems associated with the power substations and power system protective devices."

Answer: It is the intent of the Government for the privatization contractor to assume responsibility for all of the above stated items.

The concern is that many of the items listed here are not included in most of the privatization offers that DESC has initiated for other military bases. Please confirm, therefore, that the Government does indeed desire that the Privatization Contractor assume responsibility for the airfield lighting and traffic lights.

Answer: It is the intent of the Government for the privatization contractor to assume responsibility for the airfield lighting and traffic lights.

6. The J01 attachment infers that all lighting on the Post will be privatized:

"Exterior lighting includes walkway, street and parking lot lighting, area lighting, perimeter and security lighting. Components include splices, duct banks, poles, lines, manholes, bases, fixtures, underground and overhead cabling, conduit and controls, **lighting for ball fields, electric power to scoreboards,** insulators, streetlight fixtures, transformers and automated controls."

As in question 5, the concern here is that some of the items listed here are not included in most of the privatization offers that DESC has initiated for other military bases. Please confirm that the Government does indeed desire for the privatization contractor to assume responsibility for all of the above stated items, and particularly including the lighting for ball fields, electric power to scoreboards, etc. Also, it appears that no data was provided in the J01 inventory with respect to ball field lighting and power to score boards, etc. Please review the inventory to assure that it reflects the appropriate quantities of all the items in the above quotation from the RFP. If it is deficient, please provide the necessary data for the various components to allow for the pricing of these components. **Please note that no lighting poles or fixtures are listed in the inventory in the J01 attachment, other than the airfield lighting components, yet it is understood that there are some 8,000 to 9,000 lighting fixtures on the Post, currently maintained by the Public Works Dept.** In this regard, please provide the number of lighting fixtures, by type (e.g., 50 250 watt metal halide flood lights, 100 250 watt high-pressure sodium cobra-head streetlights, etc.) and associated poles or standards, and separate lighting circuits for the lighting system.

Answer: The Government does indeed desire for the privatization contractor to assume responsibility for all of the above stated items, and particularly including the lighting for ball fields, electric power to scoreboards, etc.

Answer: No data was provided in the J01 inventory with respect to ball field lighting and power to score boards, etc., because it was not available.

7. The J01 attachment states that airfield lighting will be included in the privatization of the electric distribution system:

"Airfield lighting components include navigation, aircraft traffic, landing, taxi-way, beacon, overrun, threshold, wind sock, key hole, strobe lights, 1000-foot marker lights, refueling point lighting and associated airfield lighting and grounding points. Lighting systems include constant current regulators, air conditioning units, 5,000-volt cables, conduits and isolation transformers. Obstruction lights on facilities include hangars, control towers, fire towers, rotating beacon light on a 90-foot structure, flag poles, smoke stacks, structures, antenna poles, transmitter sites and

water towers. System components include lamps, lighting fixtures, frangible couplings, isolating transformers, power and control cables and their conduits, cable connectors, constant current regulators, strobe optical heads, strobe power supplies, strobe master control cabinets, remote control relays, remote control programmable logic controllers and multiplexer cabinets, contactors and computer cabinet air conditioners."

The J01 inventory listing includes some of these components, but not all of them. If this airfield lighting, as described, is indeed included in the privatization, please provide more complete data to allow for pricing this portion of the system, including description, quantities, and approximate year of installation.

Answer: No data was provided in the J01 inventory for some of the airfield lighting components because not data was available.

8. Please confirm that all transformers and oil filled switches are PCB free and if so, please provide the source documentation to support such assertion.

   Answer: The source documentation to support confirmation that all transformers and oil filled switches are PCB free will be available in the technical library here on the installation.

9. Difficulty is being encountered in using the Government provided viewer to view the Microstation drawings of the Fort Campbell electric system, which were provided on the 9 technical library CDs distributed at the Pre-Proposal Conference. Specifically, when the viewer is downloaded, the files cannot be opened. Please confirm that the drawings on the CDs are corrupt. If the Government does not believe the files are corrupt, please provide the name and contact information of someone familiar with the files who could provide assistance in viewing the files.

   Answer: Stephen M. Turner @ (757) 873-0768

10. There are no secondary services listed in the J01 attachment, although it appears to be the intend of the Government, that services, both overhead and underground, would be a part of the privatized system. Please confirm that this is the Government's intent. Also, please provide quantities of single-phase and three-phase overhead and underground services, respectively, along with the estimated average length per secondary service for each respective type of service (e.g., overhead and underground).

    Answer: It is the Government's intent to privatize the secondary service up to the point of demarcation which could be the meter base.

11. The J01 inventory only lists 3-15kV OCBs in Substation #4, though 4 were observed during the site visit. Please confirm the correct quantitiy. Also, the J01 inventory only lists 2-15kV OCBs in Substation #5, though 3 were observed during the site visit. Please confirm the correct quantity. Please also confirm whether or not 69 kV fuses and not a 69 kV breaker provide the highside protection at Substation #5.

    Answer: There are 4 – 15kV OCBs in substation 4, 4-15kV OCBs in Substation #5, and a 69 kV breaker provide the highside protection at Substation #5.

12. Please confirm whether or not the entry for Substation #7 showing "69 kV, 600 A Circuit Breaker," with a quantity of 4 are actually supposed to be 15 kV breakers. Also, please confirm whether or not the quantity of four (4) is correct, since during the site visit, six (6) 15 kV breakers were present.

    Answer: They are 15kV circuit breaker with an ampacity of 1200 A. There are 6 each of them.

13. Please provide the approximate year of construction data for the 69 kV Highway Breaker, the Miscellaneous Equipment, the Poles, and the Airfield Lighting listed in the J1 inventory listing. Also, with respect to the poles, please indicate which should be classified as Transmission Poles and which

if any of the Transmission poles are steel. Since the transmission system is being largely rebuilt using what appear to be 90 ft steel poles, it appears that possibly none of these are included in the inventory. Since this project is nearing completion, it would appear to be prudent to used this rebuilt system for the purpose of pricing. Thus, please indicate whether the Government intends to modify the J01 inventory to reflect the modifications to the transmission and distribution system, currently nearing completion.

Answer: Data not available.

14. Requesting that the offeror specify points o demarcation is not typical of utility privatization solicitations issued by DESC. Please clarify why the secondary points of demarcation for the electric distribution system are not defined in the J01 attachment and are being left to the contractor to define?

    Answer: The secondary points of demarcation for the electric distribution system shall be but not limited to the meter base, five feet from weather head, or five feet from building.

15. There was no section of System Deficiencies in the J01 attachment. Please confirm whether or not there are any deficiencies which may require an initial project to correct, as of the time of transfer of the system to a Privatization Contractor. In view of the ongoing improvements to the Fort Campbell system, it would appear that either they need to be totally disregarded, or that the inventory needs to be updated to reflect the changes nearing completion.

    Answer: The inventory is to be completed upon receiving data from the completion of the upgrades.

16. Please provide a list, by location, of any pole mounted transformers on concrete pads enclosed by a fence. Also, please provide the sizes of transformers at each location.

    Answer: Red River Water station

17. Please provide the size, location, and type of any transformers that are located inside of buildings and which will be a part of the privatized system.

    Answer: None

18. The J01 inventory lists 13 pole-mounted transformers and 11 padmounted transformers of unknown size. Would it be safe to assume that the polemounted transformer size would be 25 kVA and the padmounted transformers would be between 225 and 750 kVA in order to price these units? If not, please provide the sizes and phasing of the respective units?

    Answer: Safe to assume with small error.

19. Please confirm that traffic light signals, traffic cameras, and traffic signal poles are indeed to be included as part of the privatized system.

    Answer: Yes

20. Are the padmounted transformers and switchgear located on the Post “live front” (termination) or “dead front” type (elbow)? If a mixture, please provide the approximate number of each.

    Answer: It is a mixture of live front and dead front with a majority of them being dead fronts.

21. Do any problems exist on the electric distribution system that would require animal guards to protect from animal intrusion (i.e. raptors, squirrels, snakes, etc…)? For instance, has there been a rather high frequency of animal caused outages in portions of the system. If so, please indicate where.

Answer: Yes. The location is at the 14th St. substation.

22. Will an area on Post be provided for a service center and/or an area for storing spare materials (poles, transformers, etc.)?

    Answer: Yes

23. Please provide a classification of the poles listed in the J01 inventory, such as wood or steel, and their use, such as lighting, secondary, primary distribution, or transmission.

    Answer: Data not available.

24. Please provide additional information as the extent to which the inventory listed in the J01 includes the items upgraded by the distribution system refurbishment project listed in the RFP, such as an including distribution system improvements, substation improvements, and transmission improvements. While the J01 inventory does reference improvements being made at Substation # 7, other improvements, such as the steel transmission poles, new transmission conductor, and the SCADA system do not appear to be shown in the inventory.

    Answer: Data not available.

25. While the J01 attachment addresses the existence of a SCADA system and certain of its capabilities in Section J01.2, it is not completely clear whether the Governments intends for the SCADA system to be included in the Privatized system, particularly since none of the SCADA system components are included in the J01 inventory listing. Therefore, in regard to the SCADA system:

    a. Is it the Government's intent that the SCADA system be included as part of the privatized system?
       Answer: Yes

    b. During the site visit, it appeared that installation of the system had not been completed. When will the SCADA system for all substations be completed and functional?
       Answer: Approximately October 2005

    c. Does the Government intend to go through a commissioning process when installation is considered complete to assure that the system is operating to specifications? If not, in what condition would the Government expect to transfer the system to the privatization contractor?
       Answer: Yes

    d. Does the system, as it is presently being installed have monitoring and control capability or monitoring only? If monitoring only, can the system be adapted to provide control capability? If so, what changes to the system would be required to provide this capability.
       Answer: Monitoring only

    e. The J01 Attachment indicates that the intent was to include a "Power Logic workstation at the exterior electrical shop," and at the EMCS control center. Have these monitors/control stations been installed and if the SCADA system will be privatized, does the Government intend that the system would continue to me monitored either at the exterior electrical shop or the EMCS center or both, and who would own such monitoring equipment?
       Answer: The exterior electrical shop and the EMCS center will have monitoring station but the UP will own the system.

    f. Please provide the name brand(s) and description of the major components of the SCADA system?
       Answer: GE is the name brand. No data available on the major components.

g. At each substation there appeared to be a small concrete building to house the SCADA controls for each station. If the SCADA system is to be privatized, would the privatization contractor also assume ownership of the buildings. If so please include detailed information on the buildings so that they can be considered as part of the inventory and included in the pricing.
Answer: The privatization contractor could assume ownership of the buildings. There is no data available on the building.

26. While meters are included in the description of the system to be privatized, as referenced in paragraph 2 of Section J01.2, no meters are included in the inventory in Section J01.2.1.2, although 110 existing meters are listed in Table 5 under Section J01.4.1. Please the following questions under metering:

a. Does the Government intend to include the 110 existing meters in the privatized system?
Answer: Yes

b. If meters are to be include in the privatized system, please provide the number and type of metering installations (e.g., single-phase, multi-phase, self-contained, CT rated, etc.) to allow for appropriate pricing in the proposal.
Answer: Data not available.

c. Please provide the number and type of new meters to be installed by the privatization contractor, based on the list included in Table 6 under Section J01.4.2 (e.g., single-phase, multi-phase, self-contained, CT rated, etc.)
Answer: No data available.

27. It is understood that presently there are no Spill Prevention Control and Countermeasure (SPCC) procedures in place at any of the post substations, except for the upgrade at 29th Street Substation; however, the deadline for the SPCC requirements is due by August of 2006. Should the Privatization contractor expect to have to develop SPCCs as initial projects for each of the other 6 substations?
Answer: Yes

28. During the site visit it appears that some of the substation fences were in need of significant repairs or replacement and there was some indication that the Government may undertake repairs and replacements. Does the Government intend to make any repairs or replacement of substation fences prior to privatization of the system, such as replacement, repainting, or regalvanizing?
Answer: Yes

29. On page J01-8 in the inventory table, there is an item labeled “Bunkers at ASP” that follows a number of items under “Miscellaneous Equipment” referencing “grounding points.” Please clarify that the “Bunkers at ASP” should, in fact, be “Grounding at Bunkers at ASP,” and that the Government does not intend to transfer any bunkers as part of the privatization action.
Answer: Bunkers at ASP is a typo error. It should read as “Grounding at Bunkers at ASP,”.

30. Please provide any report available that documents outages experienced over the last three years, and which indicates the cause and/or duration of the outage, such as “animal,” “lightning,” etc.
Answer: No data available.

1. Attachment J01, in the description section (J01.2) says the traffic lights are included. On the site visit tour we were told they were not included. Can you clarify?

   Answer: There was a last minute change to the J section which included the traffic lights.

2. Attachment J01, in the description section (J01.2) says the street lighting and ball field lighting are included. Please provide an inventory list of the existing and proposed lighting.

   Answer: Data not available.

3. Who will operate and maintain the existing SCADA system?

   Answer: Privatized contractor.

4. Please provide details on the airfield lighting facilities that are to be included in the bid.

   Answer: Data not available.

5. There are a lot of ongoing construction projects on base. Are the capital improvements projects listed in the Five Year plan already funded? Is the construction of the electric facilities for any of these to be included in the bid for any of these projects?

   Answer: a) No. The Five Year plan establishes program estimates. Funding is year-to-year.
   b) No.

6. Who is responsible for long range system planning?

   Answer: Privatized contractor.

7. If future capital projects require system improvements like reconductoring or additional capacity, who is responsible for the engineering and construction costs? How will these be funded? For example, if a new capital a project requires upgrade to a substation serving the project how will this work be funded, engineered, built and maintained?

   Answer: The UP contractor is responsible for engineering, design, and construction. The contractor is responsible for funding all projects. The Government may elect to fund projects up front or buy down the financed principle if money is available.

8. How will future capital projects requiring new electric facilities be funded?

   Answer: The contractor is responsible for funding all projects. The Government may elect to fund projects up front or buy down the financed principle if money is available.

9. Will new MILCON construction projects include the cost of new electrical infrastructure?

   Answer: Yes

10. Will MILCON contractors be required to build electrical distribution infrastructure to the UP contractor's standards?

    Answer: Yes

11. Will the UP contractor be part of the planning process for new MILCON projects?

    Answer: Yes